

Title (en)
Rotary compressor, heat pump, and household appliance

Title (de)
Rotationsverdichter, Wärmepumpe und Haushaltsgerät

Title (fr)
Compresseur rotatif, pompe à chaleur et appareil ménager

Publication
EP 2985466 A1 20160217 (EN)

Application
EP 14382314 A 20140814

Priority
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Abstract (en)
A rotary compressor 1 comprises a cylindrical housing 8, a cylindrical roller 10 accommodated in the housing 8, a motor shaft 13 leading through the roller 10 having a cam 14 for rolling the roller 10 along a side wall 15 of the housing 8, and a discharge port 18 leading through a bottom cover 12, wherein a height-to-radius ratio h/r of the roller 10 is between 1.6 and 1.2, a radius r_s of the motor shaft 13 is 8.0 mm or less, a cam height h_c of 14 mm or less, an area Q of the discharge port 18 of 17 mm² or more, and a thickness d of the discharge port 18 of 2.5 mm or less. For operation of the compressor 1, a top cover 19 may be put onto the top open side of the housing 8. The top cover 19 may have a bushing for the shaft 13. A heat pump P comprises the compressor 1. A household appliance H , in particular laundry care apparatus H , comprises the heat pump P .

IPC 8 full level
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CPC (source: CN EP US)
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Citation (applicant)
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